



**CITY OF LODI
COUNCIL COMMUNICATION**

AGENDA TITLE: Adopt a resolution rejecting the sole bid for 15,000 feet of #1/0 600-volt triplex, approve revised specifications, and authorize the advertisement for bids for 20,000 feet of #1/0 600V triplex (EUD)

MEETING DATE: June 21, 2006

PREPARED BY: Electric Utility Director

RECOMMENDED ACTION: That the City Council adopt a resolution rejecting the sole bid for 15,000 feet of #1/0 600V triplex, submitted by G E Supply Co. of North Highlands, California. It is further recommended that the City Council approve revised specifications, and authorize the advertisement for bids for 20,000 feet of #1/0 600V underground triplex using the revised specifications.

BACKGROUND INFORMATION: On April 5, 2006, the City Council approved specifications and authorized advertisement for bids for 15,000 feet of this conductor.

One bid was received, and opened on June 6, 2006. The sole bidder, G E Supply Company of North Highlands (\$27,880.31) took exception to several specifications, including one that requires the manufacturer to test the cable in accordance with industry standards, and to replace any defective cable. G E Supply also required that an order for the conductor be placed by Tuesday, June 20.

Staff contacted other potential bidders to determine why they hadn't submitted proposals; three reasons emerged. Respondents indicated that our requested quantity of 15,000 feet was below the minimum amount most manufacturers will schedule for production; that the type of #1/0 conductor we specified ("full neutral") was no longer considered a common type, and because of the volatility in the metals markets bidders were reluctant to bid the fixed price that we require.

Therefore, in addition to recommending rejection of the sole bid, staff also recommends the approval of specifications revising the type of #1/0 600V triplex from "full neutral" to the more common "reduced neutral", and authorize the advertisement for bids for 20,000 feet of #1/0 600V reduced-neutral triplex.

Delivery of this conductor is expected in early 2007, and is projected to cover calendar year 2007 requirements.

FISCAL IMPACT: Estimated cost of this purchase: \$33,000
Material costs recovered by future sales of electrical power.

FUNDING: Electric Utility Department 2006-2007 Financial Plan and Budget,
Line Extensions, Business Unit 161651

Ruby R. Paiste
Ruby Paiste, Interim Finance Director

George F. Morrow
George F. Morrow, Electric Utility Director

Prepared by Joel Harris, Purchasing Officer
cc: Manager, EUD Engineering and Operations

APPROVED: *Blair King*
Blair King, City Manager

**City of Lodi
Equipment Specifications**

600-VOLT XLPE TRIPLEX CABLE

1.0 GENERAL

Cable furnished under these specifications shall be limited to cross-linked polyethylene insulated cable rated 600 volts and suitable for installation in ducts or for direct burial in earth, in wet or dry locations, with normal conductor temperatures up to 90 degrees C. Cables furnished shall meet the requirements of the applicable NEMA, ICEA, AEIC, and ASTM standards, latest edition thereof, unless otherwise noted in this specification.

2.0 CONDUCTOR

The conductor shall be aluminum alloy, EC Grade, ½ to ¾ hard, Class B stranding.

3.0 INSULATION

Phase conductor insulation shall be single-pass, black, cross-linked polyethylene. The neutral conductor shall have yellow XLPE insulation or black XLPE insulation with yellow extruded stripes.

4.0 ASSEMBLY

The assembled cable shall consist of phase and neutral conductors twisted together with a lay not less than 50 nor more than 60 times the outside diameter of one of the phase conductors. All cable ends shall be sealed to prevent the entrance of moisture.

5.0 IDENTIFICATION

Each conductor shall have a permanent marking showing the manufacturer's name, voltage rating, conductor size and type of insulation. Additionally, one leg of the triplex shall be marked with sequential footage marks at least every two feet.

6.0 TESTING AND GUARANTEE

Testing of cable shall be performed according to procedures set forth by the ICEA, AEIC and ASTM. Certified copies of Pass/Fail test results shall be supplied to the City at the time of shipment. Any cable found defective either upon inspection, testing or installation will be returned at the manufacturer's expense.

7.0 SPECIFIC REQUIREMENTS

Any conditional bids such as "Subject to Availability in Stock" will be rejected as non-responsive.

8.0 SHIPPING

Both cable ends shall be adequately sealed with a water-seal type material and plastic end caps secured to prevent the penetration of moisture. There shall be no moisture in the stranded conductor of the cable when reel is shipped. All shipments shall be prepaid, FOB delivered to the City of Lodi, Lodi, CA. Reels shall be shipped upright.

9.0 REELS

9.1 MAKEUP

The specified conductor shall be supplied on NEMA standard wood non-returnable reels and in accordance with Table 1 as shown below. Bottom and top cable ends shall be properly secured to the reel.

TABLE 1

CONDUCTOR SIZE PHASE (NEUTRAL)	CODE WORD	MATERIAL	NEMA STANDARD REEL CODE No.
#2 (#2) AWG	Ramapo / YES	Aluminum	3624
#1/0 (#2) AWG	Brenau / YES	Aluminum	3624
350kcmil (#4/0)	Wesleyan / YES	Aluminum	5432 or 7236

9.2 PACKAGING

Each reel shall have adequate protective wrap covering the conductor, such covering to consist of non-wood (plastic or equivalent) reel wrap. Care should be taken in handling the reels to assure no damage is done to conductor or wrapping.

9.3 MARKING

Each reel shall be marked with a durable weather-resistant label securely attached to a flange of the reel and plainly marked stating the destination, the purchaser's order number, date of production, the shipping length of cable on reel, type and size of conductors, insulation type and thickness, voltage rating and manufacturer's identification number, and tare weight of the reel.

RESOLUTION NO. 2006-112

A RESOLUTION OF THE LODI CITY COUNCIL REJECTING THE SOLE BID
FOR 15,000 FEET OF #1/0 600-VOLT TRIPLEX, AND FURTHER APPROVING
REVISED SPECIFICATIONS AND AUTHORIZING ADVERTISEMENT FOR
BIDS FOR 20,000 FEET OF #1/0 600V TRIPLEX

=====

WHEREAS, in answer to notice duly published in accordance with law and the order of this City Council, sealed bids were received and publicly opened on June 6, 2006, at 11:00 a.m., for the purchase of 15,000 feet of #1/0 600-volt triplex, described in the specifications therefore approved by the City Council on April 5, 2006; and

WHEREAS, the sole bid received and opened on June 6, 2006, from G. E. Supply Company took exception to several specifications, including one that requires the manufacturer to test the cable in accordance with industry standards and to replace any defective cable; and

WHEREAS, staff contacted other potential bidders to determine why proposals were not submitted and found the following reasons:

- 1) The requested quantity of 15,000 feet was below the minimum amount most manufacturers will schedule for production; and
- 2) That the Type #1/0 Conductor the City specified ("full neutral") was no longer considered a common type; and
- 3) That because of the volatility in the metals market bidders were reluctant to bid the fixed price that the City requires.

WHEREAS, in addition to recommending rejection of the sole bid, staff further recommends the approval of specifications revising the type of #1/0 600V triplex from "full neutral" to the more common "reduced neutral," and authorize the advertisement for bids for 20,000 feet of #1/0 600V reduced-neutral triplex.

NOW, THEREFORE, BE IT RESOLVED that the Lodi City Council hereby rejects the sole bid from G. E. Supply Co., of North Highlands, for failure to meet bid requirements; and

BE IT FURTHER RESOLVED that the City Council further approves the specifications revising the type of #1/0 600V triplex from "full neutral" to the more common "reduced neutral," and authorizes advertisement for bids for 20,000 feet of #1/0 600V reduced neutral triplex.

Dated: June 21, 2006

=====

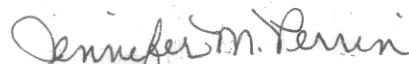
I hereby certify that Resolution No. 2006-112 was passed and adopted by the City Council of the City of Lodi in a regular meeting held June 21, 2006, by the following vote:

AYES: COUNCIL MEMBERS – Beckman, Hansen, Johnson, Mounce,
and Mayor Hitchcock

NOES: COUNCIL MEMBERS – None

ABSENT: COUNCIL MEMBERS – None

ABSTAIN: COUNCIL MEMBERS – None


JENNIFER M. PERRIN
Interim City Clerk